

**Board of High Pressure Piping Systems
Steam Committee - Meeting Minutes
June 16, 2008
Minnesota Room – Department of Labor and Industry
443 Lafayette Road North, Saint Paul
DLI.CCLDBOARDS@State.MN.US**

Members Present:

Robert Bastianelli
Mark Kincs
Mark Geisenhoff
Todd Green (DLI Commissioner's designee)

Board Members Present:

Maureen Hanson

Visitors:

Gary Thaden

Members Absent:

Larry Jordan

I. Call To Order

The meeting was called to order by Chair Robert Bastianelli at 10:05 a.m.

II. Approval of Meeting Agenda

Green moved to accept the Agenda, seconded by Geisenhoff. The vote was unanimous and the motion passed.

III. Approval of Previous Meeting Minutes

A motion to accept the previous meeting minutes from June 5, 2008 meeting was made by Geisenhoff, seconded by Green. The vote was unanimous and the motion carried.

IV. Regular Business

- A. The Committee discussed naming the Steam Section (Rule Parts 5230.0250 through 5230.1060) "Code for High Pressure Piping Systems".
- B. The Steam Section was reviewed in its entirety with the Committee proposing the following revisions:

5230.0250 PURPOSE.

-- No change.

5230.0260 SCOPE.

-- Change "Power piping systems" to "High Pressure Piping Systems".

5230.0270 REFERENCES TO STANDARDS AND SPECIFICATIONS.

-- Reference "2007 Edition of ASME B31.1 and documents referenced thereby". Strike references to American Standards Association.
Strike last paragraph.

5230.0290 MINIMUM CONSTRUCTION STANDARD.

-- No change.

5230.0300 DIMENSION GUIDE.

-- Strike all. Replace with "Refer to Chapter IV - "Dimensional Requirements" of ASME B31.1".

5230.0310 PRESSURES AND TEMPERATURES.

-- Specify temperatures are in degrees Fahrenheit and are average metal temperatures of the materials.

5230.0320 MATERIALS.

-- Strike all. Replace with "Minimum requirement for materials shall be per Chapter III - "Materials" of ASME B31.1."

5230.0330 TABLE 1 DEFINED.

-- Strike this Part.

5230.0340 FLANGES

-- Rename this Part "FLANGES AND BLANKS".

-- Strike all. Replace with "Flanges and blanks shall conform to the requirements of ASME B31.1 paragraph 104.5."

5230.0350 VALVES.

-- Strike all. Replace with "Valves shall conform to the requirements of ASME B31.1 paragraph 107."

5230.0360 PRESSURE-REDUCING AND RELIEF VALVES.

-- Strike existing Subpart 3.

-- Add new Subpart 1. **General requirements.** Pressure-reducing valves shall be in conformance with ASME B31.1 paragraph 122.5 and the following subparts.

-- Renumber remaining Subparts.

5230.0365 PRESSURE DESIGN OF PIPING SYSTEMS

-- New Part added to read "Pressure design of piping systems shall conform to the requirements of ASME B31.1 - Chapter II, Part 2."

5230.0370 FITTINGS

-- Rename Part "FITTING, BENDS AND INTERSECTIONS".

-- Strike all. Replace with "Fittings, bends and intersections shall conform to the requirements of ASME B31.1 paragraph 106."

5230.0380 SPECIAL FITTINGS.

-- Strike this Part.

5230.0390 BOLTING.

-- Strike all. Replace with "Bolting shall conform to the requirements of ASME B31.1 paragraphs 108.5 or 108.6."

5230.0400 PIPE THREADS.

-- Strike all. Replace with "Threaded joints shall conform to the requirements of ASME B31.1 paragraph 114."

5230.0410 PIPE JOINTS.

-- Strike all. Replace with "Pipe joints shall conform to the requirements of ASME B31.1 Chapter II - "Design", Part 4."

5230.0420 SUBSTITUTE REQUIREMENTS.

-- Strike this Part.

5230.0430 GASKETS.

-- Strike all. Replace with "Gaskets shall conform to the requirements of ASME B31.1 paragraph 108.4."

5230.0440 THERMAL EXPANSION.

-- Rename Part "EXPANSION AND FLEXIBILITY".

-- Precede existing with "Expansion and flexibility shall conform to the requirements of ASME B31.1 paragraph 119."

-- Delete sentence referencing Part 5230.1060, Subpart 5.

-- Combine first and second paragraphs.

-- Delete third and fourth paragraphs.

-- Move existing Part 5230.1060, Subpart 5, Paragraph C into this Part after revised text.

-- Add new final paragraph "See Appendix 1 - Saturated Steam Tables for temperature reference."

5230.0450 HANGERS, SUPPORTS, AND ANCHORS.

-- Strike all. Replace with "Hangers, supports and anchors shall conform to the requirements of ASME B31.1 paragraphs 120 and 121."

5230.0460 PIPE SLEEVES.

-- No change.

5230.0470 DRAINS, DRIPS, AND STEAM TRAPS.

-- No change. Discussed Subpart 4 reference to "same thickness" of discharge piping to inlet piping. Will review B31.1 and discuss this in future meeting.

5230.0480 INSPECTION AND TESTS.

-- Strike reference to "Table 1 of ASA B31.1-1955". Replace with "Table 126.1 of ASME B31.1".

5230.0490 CLEANING.

-- No change.

5230.0500 HYDROSTATIC TESTS.

-- Rename Part "PRESSURE TESTS".

-- Strike all. Replace with "Pressure tests shall conform to the requirements of ASME B31.1 Section 137."

5230.0510 THICKNESS OF PIPE.

-- Strike this Part.

5230.0520 VARIATIONS IN PRESSURE AND TEMPERATURE.

-- Rename Part "VARIATIONS FROM NORMAL OPERATION".

-- Strike all. Replace with "Piping systems shall be considered safe for operational deviation from normal operating conditions in accordance with the requirements of ASME B31.1 paragraph 102.2.4."

5230.0550 - 5230.0890

-- Strike these Parts.

5230.0950 - 5230.1040

-- Green will contact ASME and inquire about usage of applicable B31.1 language in these Parts.

5230.1050 FABRICATION OF PIPE JOINTS OTHER THAN WELDED.

-- Strike this Part.

5230.1060 EXPANSION AND FLEXIBILITY.

-- Strike this Part.

V. Special Business – None

VI. Committee Reports - None

VII. Complaints - None

VIII. Open Forum - None

IX. Board Discussion – None

X. Announcements

A. Next Regularly Scheduled Meeting:

- i. July 1, 2008, 10:00 a.m. – Minnesota Room, DLI
- ii. August 7, 2008, 10:00 a.m. – Minnesota Room, DLI

XI. Adjournment

A motion was made by Geisenhoff, seconded by Green, to adjourn the meeting. All voted in favor, and the motion passed. Meeting adjourned at 1:25 p.m.

Respectfully Submitted,

Mark Kincs

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